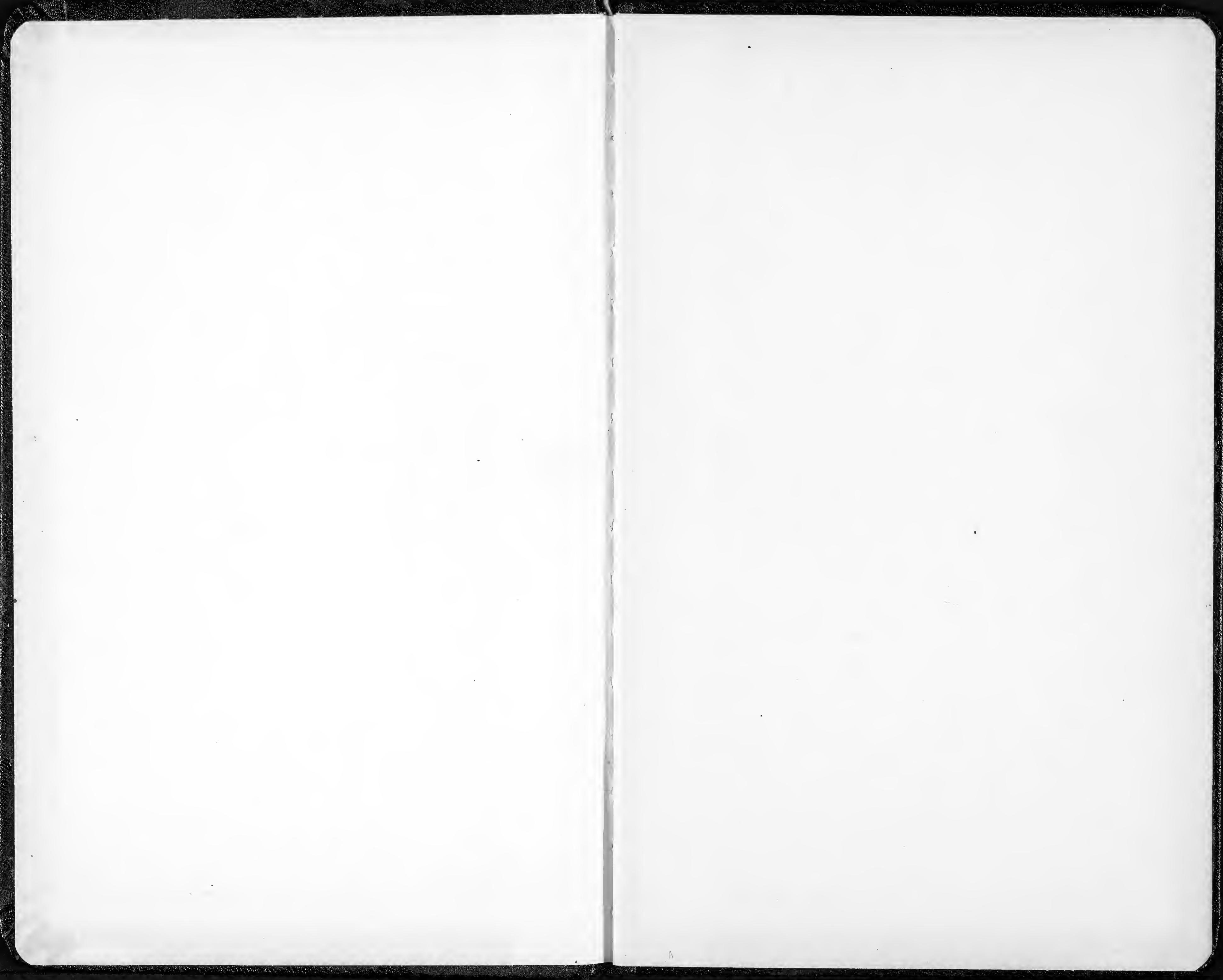


7530-274-5494
FEDERAL SUPPLY SERVICE



800413.1 TAIWAN

RH1383

13 APR 1980

SOUTH OF TAN-SHUI, NORTH OF TAIPEI

25°09.0'N, 121°27'E

1 M, GRAY SANDY MUD, PROBABLY POLLUTED, NEAR MANGROVE AREA
AND SUBJECT TO LOW SALINITIES

3 SPMS ECHINODERMES

800415.1 TAIWAN

RH1384

15 APR 80

NEAR CHIU-CHIANG

24°50.0'N, 120°59.0'E

1 M, BROWN SANDY MUD, PROBABLY LOW SALINITY AREA
BEHIND DAM FORMED IN RIVER BY SAND BAR. AMPHIPODS
AND SOME POLYCHAETES, NEMATODES

See to Kowloon

800416.1 TAIWAN

RH1385

16 APR 80

KEELUNG HARBOR (CHI-LUNG)

MUDDY SAND 6 M

25°09.5'N, 121°45.0'E

~~*See to Kowloon*~~
Enclosed

800420.1 HONG KONG

RH1386

20 APRIL 1980

KAU SAI WAN, PORT SHELTER

22° 20.8' N 114° 19.0' E

16 M MUD

Echinoderes, *Pycnophyes*, *Kimberlinchus*

800420.2 HONG KONG

RH1387

20 APRIL 1980

500 M NW YEUNG CHAU (ISL), INNER PORT SHELTER

22° 23.2' N 114° 17.1' E

5 M MUD

800421.1 HONG KONG

RH1388

21 APR 1980

WU KAI SHA TSUI

22° 26.5' N 114° 14.5' E

INTERSTITIAL FLUID WASHINGS

Amphipods and some polychaetes only

Amphipoda
Do. Kinichthys

800423.1 HONG KONG

RH1389

22 APRIL 1980

DOUBLE HAVEN, W OF DOUBLE ISLAND

22° 31.5' N 114° 18.0' E

12 M MUD

Pycnophyes, *Kimberlinchus*, *Echinoderes*

800423.2 HONG KONG

RH1390

22 APRIL 1980

PUI TONG (IN BAY FORMED BY CROOKED ISLAND)

22° 32.7' N 114° 17.8' E

9 M MUD

Pycnophyes, *Kimberlinchus*, *Echinoderes*

800423.3 HONG KONG

RH1391

22 APRIL 1980

E OF PUI TONG AREA OF CROOKED ISLAND

22° 33.0' N 114° 18.5' E

10 M SANDY MUD

Pycnophyes, *Kimberlinchus*, *Echinoderes* w. ostracods,
Tanaids, amphipods etc.

800423.4 HONG KONG

RH1392

22 APRIL 1980

GOVERNOR'S BEACH, NW SHORE OF DOUBLE ISLAND

22° 31.3' N 114° 18.8' E

INTERSTITIAL SAMPLE, NEAR HIGH TIDE, MED SAND
SLIGHT SLOPE

800424.1 HONG KONG

RH 1393

24 APRIL 1980

TOLO CHANNEL OFF TUNG TAO CHAO

22° 27.5' N 114° 16.6' E

12 M MUD

Nematodes, turbellarians, copepods

800424.2 HONG KONG

RH 1394

24 APRIL 1980

ENTRANCE TO THREE FATHOMS COVE OFF TOLO CHANNEL

22° 26.5' N 114° 16.2' E

9 M MUD

Nematodes, turbellarians, copepods

800427.1 HONG KONG

RH 1395

27 APRIL 1980

BAY 2 KM W OF WONG MAU CHAU

22° 26.7' N 114° 22.4' E

11 M SANDY MUD

Amphipods, tanaids, 3-4 copepod spp. some nematodes

2 spp. Schizodius, 2 spp. (?) Pteropoda - both abundant

But 2 10:1 over P. Many ostracods, several spp. 3-4

1 spp. myxopod ostracods. Starfish 2 common

Ostracods given to Kermack +
amphipods

800427.2 HONG KONG

RH 1396

27 APRIL 1980

LONG HARBOR

22° 27.4' N 114° 20.6' E

9 M MUD

poor material, few Pteropoda, very few Turbellarians, some Schizodius
but looks different than in 27.1. Only one sp. (?) ostracod. Looks like stained
material, than ostracods + turbellarians - many crabs.

800427.3 HONG KONG

RH 1397

27 APRIL 1980

HAI HA WAN (W OF LONG HARBOR, OFF TOLO CHANNEL)

22° 28.4' N 114° 19.8' E

9 M MUD

Schizodius, w/long spines, some Pteropoda, some Tanaids, ostracods
or a few copepods. No a real good community.

800427.4 HONG KONG

RH 1398

27 APRIL 1980

WONG CHUK KOK HAI (W OF BLUFF HEAD)

22° 30.8' N 114° 19.3' E

11 M MUD

Some Pteropoda and Schizodius, poor shape; many ostracods, one polych
1 copep.; several tanaids - poor community. Looks like many dying young stages

800427.5 HONG KONG 27 APRIL 1980

RH 1399

SMALL COVE OFF TOLO CHANNEL (NEAR LAI CHI CHONG)

22° 27.7' N 114° 17.7' E

7 M MUD

Pteropoda + Schizodius (maybe Kurehyndus) few ostracods,
few tanaids, few copepods - poor material few young stages

800429.1⁽⁶⁾ HONG KONG

RH 1400

29 APRIL 1980

CLEAR WATER BAY

22° 17.5' N 114° 17.6' E

4 M SAND MUD

Echinoderms, *Polydora*, many short spined *Echinoderms*
a few long spined (but small) *E* sp. *Tarantula*, *Caprellidae*
Caprellidae, *Amphipoda* - abundant

800430.1⁽⁷⁾ HONG KONG

RH 1400

30 APRIL 1980

BEACH AT STANLEY PAV, HONG KONG ISLAND

22° 13.0' N 114° 12.8' E

INTERSTITIAL SAND NEAR HIGH TIDE MARK

NO. 10 CORAL SAND

Amphipoda

800501.1⁽⁸⁾ HONG KONG

RH 1402

1 MAY 1980

OFF PIER E OF PING CHAU IS.

22° 33.0' N 114° 26.0' E

6 M MUDDY SAND

Mostly short spined *Echinoderms*, few *Polydora*, *Caprellidae*
many *Amphipoda*, few 1° juveniles!

800501.2⁽¹⁾ HONG KONG

RH 1403

1 MAY 1980

IN ALGAE IN TIDE POOLS W COAST OF PING CHAU IS.

22° 32.5' N 114° 25.5' E

IN ALGAE

Echinoderms sp.

800503.1 HONG KONG

RH 1404

3 MAY 1980

IN EEL GRASS (*ZOSTERA*) - CROOKED HARBOR NEAR
LAI CHI WO

22° 32.0' N 114° 15.7' E

MUDDY SAND IN EEL GRASS BEDS

Echinoderms (only) [Col. Brian Norton]

Ft. Pierce: Acc. 348815
 4 Feb 1965

850204.1

RH 1964

Locality: 6 miles offshore
 Time in: 9:21 - 9:27 ; 9:30 - 9:36

Depth in: 57 ft

Loran C in: 43307.6 62004.9

Loran C out: 43307.3 62004.3

Sediment Type: ^{Coarse} Sand, shell hash, some silt

Bucket no: 1

Time in: ~~9:47~~ ~~9:52~~

Depth in: ~~63 ft~~

Loran C in: ~~43305.2~~ 61997.9

Loran C out: ~~43304.4~~ 61997.4

Sediment Type

Bucket no: 2

850204.2

RH 1965

Time in: 9:54 Time Out: 10:04

Depth in: 63 ft Depth Out: 63 ft

Loran C in: 43303.6 61997.4

Loran C out: 43303.3 61997.9

Sediment type: Shell hash, less silt, coarse sand

Bucket no: 2

850204.3

RH 1966

Time in: 10:10 Time out: 10:17

Depth in: 60 ft Depth out: 60

Loran C in: 43294.6 61998.0

Loran C out: 43290.5 61998.3

Sediment type: ^{Coarse sand} shell hash, very little silt

Bucket No. 3

850204.3

~~RH 1966~~

Time in: 10:24 Time Out: 10:30

Depth in: ~~61~~ ft Depth out: 60 ft

Loran C in: 43295.0 61998.1

Loran C out: 43296.3 61998.3

Sediment Type: ^{Coarse sand} shell hash, trace silt

Bucket No. 3

850204.4

RH 1967

Time In: 10:41 Time Out: 10:48

Depth In: 59 ft Depth Out: 55 ft

Loran C in: 43297.4 ~~Loran C out: 62005.4~~

Loran C out: 43295.3 62005.2

Sediment Type: ^{Coarse sand} shell hash, some silt

Bucket No. 4

850204.5 RH 1968
 Time In: 11:02 Time Out: 11:08
 Depth In: 53 ft Depth Out: 47 ft
 Loran C in: 43285.1 62004.8
 Loran C out: 43286.9 62005.2
 Sediment type: coarse sand, shell hash
 Bucket No. 5

Time in: 11:14 Time out: 11:22
 Loran C in: 43285.5 62005.0
 Depth in: 47 ft Depth out: 55 ft
 Loran C out: 43283.8 62005.0
 Sediment type: coarse sand, shell hash

850204.6 RH 1969
 Time in: 11:36 Time out: 11:43
 Depth in: 55 ft Depth out: 55 ft
 Loran C in: 43282.7 61997.1
 Loran C out: 43281.2 61997.8
 Sediment type: coarse sand, shell hash
 Bucket No. 6

850423.1

RH 1991

Time In: 0916 Time Out: 0926
 Depth In: 52 ft Depth Out: 52 ft
 Loran C in: 43302.8 Loran C out: 43303.4
 62005.0 62004.1

Sediment type: coarse sand
 Bucket No. 1

mostly Echinoderm, few Serranoderm, many Batilypis, at least 1 Parastygardus

850423.2

RH 1992

Time In: 0943 Time Out: 0953
 Depth In: 62 ft Depth Out: 62 ft
 Loran C in: 43300.6 61996.7
 Loran C out: 43301.1 61995.4

Sediment type: shell gravel w/ amphioxus
 Bucket No. 2 & 3

850423.3

RH 1993

Time In: 1013 Time Out: 1023
 Depth In: 61 ft Depth Out: 60 ft
 Loran C in: 43295.8 61992.0
 Loran C out: 43295.5 91.5
 Sediment type: medium sand
 Bucket No. 4 & 5

850423.4

RH 1994

Time In: 1045 Time Out: 1052
 Depth In: 72 ft Depth Out: 75 ft
 Loran C in: 43290.0 61977.0
 Loran C out: 43291.4 61976.2
 Bucket No. 6-7

notes: some Echinoderm, Serranoderm, at least 1 Cetero mostly gastropods, and long-tailed tipers,

A Look into Japan Japan Travel Bureau

JTB

SUPPLIES / EQUIPMENT

- ✓ 30 ml } bottle labels
- ✓ 60 ml }
- X 1 dr screw cap vials
- X label paper
- ✓ cap labels
- ✓ watch dishes
- subsamples
- ✓ wash bottles
- ✓ burner lamps (8)
- ✓ tape
- ✓ felt-tip pens
- whisk pads (ask Woody what size)
- X funnels
- square petri dishes
- X 25 ml petri dishes flat
- ~~flat depression slides~~
- X slide ruger
- X film 135
- X film 4 X 5
- X rose bengal
- ~~gravity corer~~
- X scissors
- X forceps
- cardboard booties for 1 dr vials
- X dissect needle
- X scalpel + #11 blades
- X drop pipettes + bulbs

850624.1 (12 miles)

RH 2016

Time in 0954

Time out 1001

Depth in 72 ft

Depth out 72

Lat in $27^{\circ}30.08'$ Lat out $27^{\circ}30.23'$

Long in 80 04 89

Long out $80^{\circ}04.74'$

Sed type med-coarse sand w/ Amphipods but
less silt than at 10(-) sites

Buckets #1 & 2 each ~ half full

at least 1 Pycnophyes; Semmelius Echinoderm, Tardigrades, rotifers, gast.
lots of pieces of red algae Ceramium sp. Polysiphonia sp.

850624.2 (10 miles)

RH 2017

Time in: 27 30.00

Time out? 1030

Depth in: 60'

Depth out: 60'

Lat in $27^{\circ}30.00'$ Lat out $27^{\circ}29.93'$ Long in $80^{\circ}07.06'$ Long out $80^{\circ}07.17'$

Sed type med-coarse sand - some silt

Buckets #3 - half full

850624.3 (5 miles)

RH 2018

Time in 1104

Time out 1235

Depth in 52'

Depth out 52

Lat in $27^{\circ}29.95'$ Lat out $27^{\circ}29.58'$ Long in $80^{\circ}12.08'$ Long out $80^{\circ}12.20'$

Sed type still hash

Buckets 5-6 + 2 covers A+B

more divers & nos of rotifers than previously

850629.1

RH 2019

Coll: Cynthia Gradek + Karen Bartlett

Loc: Off Pepper State Park Beach

Depth: 5 m

Sed: sand + Halimeda
1 Echinoderes

870722.20

20 MILE SITE
140 M (410 ft)

43245.0
14408.7 / 61916.6
27°30.0N 79°55.8W

870722.15

15 MILE SITE
49 M (145 ft)

43265.0
14404.0 / 61950.0
27°30.0N 80°01.4W

43265.2 / 61950.0 42M

870722.10

10 MILE SITE
21 M (63 ft)

43286.0
14399.1 / 61982.5
27°30.0N 80°07.0'W

43286.2 / 61982.9 19M

870722.5

5 MILE SITE
17 M (50 ft)

43312.0
14394.2 / 62014.0
27°30.0N 80°12.7'W

43311.9 / 62014.1 14M

870811.1 Lake Worth Inlet, (Palm Beach) Florida north side
of Peanut Island ~ 3-5 m. silty sand. Higgins pocket dredge
26°47'N 80°02'W

Echinoderm sp 1

RH 2139

Acc # 348815

Acc. 348815

870811.2

RH 2140

south side

of Peanut Island ~ 4-6 m. coarse sand w/ some mud
HPD 26°47'N 80°02'W

Knorbyrnas sp. and *Echinoderm* sp 2

